

zapier.georgelambert.org · Markdown indexes

VERAE TIME x ZAPIER

Linking services

site/packages/verae-ops/96-linking-services.md

6. Linking dependent services

Every process learns peers from **environment variables** and **fleet service JSON**. There is no service mesh.

Environment map

Process	Variable	Points at
Zapier cloud app	MIDDLEWARE_BASE_URL	Public zappier-edge HTTPS (prod) or middleware (lab)
zappier-edge	ZAPPIER_UPSTREAM or internal proxy target	middleware :3100
middleware	NATS_URL	nats://nats1:4222,nats://nats2:4222,nats://nats3:4222
middleware	VERAE_API_BASE_URL	https://api.veraetime.net
middleware	MOCK_VERAE	true only in lab
worm / tree-node / aggregator / poller	NATS_URL	same cluster
fleet	NATS_URL (monitor only)	same; publicBind=false
fleet SSH	identityFile	path on the operator disk

HTTPS hops (must work)

```
curl -H "x-api-key: $KEY" https://zappier.example.com/v1/status
# edge meters, then
curl http://127.0.0.1:3100/health
```

If Zapier gets 401/402, fix keys and the rate card on zappier-edge — not NATS.

NATS hops (must stay private)

Address	From	To
<code>verae.zapier.jobs.watch</code>	middleware	job-poller (queue)
<code>verae.zapier.jobs.events</code>	poller	middleware wait
<code>verae.zapier.webhooks.deliver</code>	middleware	webhook-deliver
<code>verae.archive.put</code>	splitter	worm / tree-node
<code>verae.archive.query</code>	aggregator	all worm/tree (broadcast)
<code>verae.archive.reply.<id></code>	worm/tree on hit only	aggregator

Bloom **miss** = **silence**. Do not “fix” that with a negative reply.

Fleet floors

<https://zapier.georgelambert.org/docs/o2-architecture/fleet.pdf>

Service	min (keepFloor)
archive-worm	3
tree-node	3
middleware-http	1
zappier-edge	1
aggregator / poller / webhook	1

Link a new host: operator console → Add machine → `ssh-check` → reconcile.

Adding an unplanned function

Copy `verae-nats-process`, pick `verae.<area>.<resource>.*`, add a fleet service, and if Zapier must see the result, add **one HTTPS route on middleware**. Do not teach Zapier NATS. <https://zapier.georgelambert.org/overview/o6-address-routing.pdf>